| <b>-</b>   |  | 0              | <u>L</u>    |            | ISSUE CLASSIFICATION                  |                | Į<br>[                      | J.S. UTII          |            | Y Pater             | nt Applica                 | Ition                   | ATE                |                                       |
|--|--|----------------|-------------|------------|---------------------------------------|----------------|-----------------------------|--------------------|------------|---------------------|----------------------------|-------------------------|--------------------|---------------------------------------|
| jc.  | 8/1  | ,<br>Α.        |             |            |                                       |                | Ł                           | SCANNED_           | <u>103</u> | Q.A.                | 1c                         |                         |                    |                                       |
| [  |  |                | TION 581    |            | CONT/P                                | RIOR           | 1                           | ASS 50             | SUB        | CLASS               | ART UNIT                   | EXA                     | MINER              |                                       |
| NTS  |  |                |             |            | a Pain                                |                |                             | 254                | 4          | <del>94</del><br>31 | 282                        |                         | Kien               | ha Pose                               |
| APPLICANTS                                       |  |                |             |            |                                       |                | -                           | / /                |            |                     |                            |                         | , , , , , ,        |                                       |
| TITLE  |  | Va:            | rial<br>Bar | ole<br>ing | electr<br>techn:                      | ion:<br>. que  | ic<br>25                    | shutter            | in         | CMOS                | imager v                   | vith in                 | Prove              | i austi                               |
| =  | the terrespond   |                |             |            |                                       | wawee          | ·                           |                    | •          | ·····               | *************              |                         |                    | PTO-2040<br>12/99                     |
| ۳  |  |                |             |            | <u>"</u> "                            |                |                             |                    |            |                     |                            |                         |                    |                                       |
| L  |  |                | ORI         | GINA       | 1                                     | <del>T -</del> |                             | ISSUIN             | G (        | CLASS               | CROSS R                    |                         | F(Q)               | · · · · · · · · · · · · · · · · · · · |
| ,  |  | CL             | ss          |            | SUBCLAS                               |                |                             | CLASS              | ;          | su                  |                            | DNE SUBCLASS PER BLOCK) |                    |                                       |
| L  | MT   |                | ATIC        | NAIAI      | CLASSIFI                              |                | ON.                         |                    |            |                     |                            |                         |                    |                                       |
| F  | T  |                |             | NAL        | CLASSIFI                              | CAII           | ON                          |                    |            |                     |                            |                         |                    |                                       |
| F  | L  |                |             |            |                                       |                |                             |                    |            |                     |                            |                         |                    |                                       |
| $\vdash$   | ╁  |                | +           |            |                                       |                |                             |                    |            |                     |                            |                         |                    | -                                     |
| L  |  |                |             |            |                                       |                |                             |                    |            |                     |                            | Continued of            | on Issue Sli       | p Inside File Jacket                  |
|  | TERMINAL   |                |             |            |                                       |                | DRAWINGS                    |                    |            |                     |                            | CLAIMS ALLOWED          |                    |                                       |
|  | L  | וס ר           | DISCI AIMER |            |                                       |                | Sheets Drwg. Figs           |                    |            | js. Drwg.           | Print Fig.                 | Total Claims            |                    | Print Claim for O                     |
|  | ☐ The term of this patent                              |                |             |            |                                       |                |                             |                    |            |                     | NOTICE OF ALLOWANCE MAILED |                         |                    |                                       |
| subsequent to (date) (date) has been disclaimed. |  |                |             |            |                                       | ate)           | (Assistant Examiner) (Date) |                    |            |                     |                            |                         |                    |                                       |
| ı  | ot e   | xten           | d bey       | ond th     | patent shall<br>e expiration          | date           |                             |                    |            | ÷                   |                            |                         |                    |                                       |
| ٥  | f U.   | S Pa           | tent. I     | No         |                                       |                |                             |                    |            |                     |                            | Λ                       | ISS<br>int Due     | UE FEE                                |
|  |  |                |             | _          | · · · · · · · · · · · · · · · · · · · |                |                             | · · ·              |            | -                   |                            | A A COLOR               | Due                | Date Paid                             |
| -  | ☐ The terminalmonths of `                              |                |             |            |                                       | $\dashv$       | (Primary Examiner) (Date)   |                    |            |                     |                            | ISSUE BATCH NUMBER      |                    |                                       |
|  |  |                |             |            | _months of `disclaimed.               |                | _                           | (Legal Instrume    | ents Ex    | aminer)             | (Date)                     |                         |                    | •                                     |
|  | VARNING:<br>he information disclosed herein may be res |                |             |            |                                       | rintad         |                             |                    |            |                     | Inited State               | Cod- Tit-               | E Continue 400 404 |                                       |
| Р  | osse   | ssion<br>'O-43 | outsid      | e the L    | J.S. Patent & 1                       | radem          | ark O                       | fice is restricted | to aut     | horized emplo       | yees and contrac           | ctors only.             |                    |                                       |
|  | m P<br>v. 6/9  |                | UPI         |            |                                       |                |                             |                    |            |                     | FILED WITH                 | E L DISH                | (CRF)              | FICHE CD-                             |